

Intermediate-moisture food, especially for animals; process and agent for preparing it.

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Publication date: 1981-12-16
Inventor(s): DEVOS FRANCIS;; DUMONT MONIQUE;; HUCHETTE MICHEL;; DEGRAVE MARIE-HELENE
Applicant(s): ROQUETTE FRERES (FR)
Requested Patent: ☐ EP0041894, B1
Application Number: EP19810400895 19810605
Priority Number(s): FR19800012673 19800606
IPC Classification: A23K1/18; A23K3/00; A23K1/00; A23L3/34
EC Classification: A23K1/14C, A23K1/16M, A23K3/00, A23K1/18N4, A23L3/3463
Equivalent(s): DE3162259D, ☐ DK159951B, DK159951C, DK244481, ☐ FR2483749
Cited Documents: US2176027; GB1043585; CS151170; FR2226935; FR2402419; US2515157; CA1082516; CS151170

Abstract

1. Foodstuff with intermediate moisture content, characterized by the fact that it comprises, as a moisturizing and preserving agent, an effective proportion from 0.1 to 70 % by weight, preferably from 1 to 65 % by weight of corn solubles with respect to the weight of the whole foodstuff.

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DERWENT-ACC-NO: 1981-95383D
DERWENT-WEEK: 198152
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TITLE: Semi-moist feed contg. maize solubles as
preservation agent - is
suitable for dogs, cats, pigs and ruminants and has
excellent stability

INVENTOR: DEGRAVE, M H; DEVOS, F ; DUMONT, M ; HUCHETTE, M

PATENT-ASSIGNEE: ROQUETTE FRERES SA[ROQF]

PRIORITY-DATA: 1980FR-0012673 (June 6, 1980)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
EP 41894 A	December 16, 1981	F
021	N/A	
DE 3162259 G	March 22, 1984	N/A
000	N/A	
DK 8102444 A	January 11, 1982	N/A
000	N/A	
EP 41894 B	February 15, 1984	F
000	N/A	
FR 2483749 A	December 11, 1981	N/A
000	N/A	

DESIGNATED-STATES: AT BE DE GB IT NL SE AT BE DE GB IT NL
SE

CITED-DOCUMENTS: 1.Jnl.Ref; CA 1082516 ; CS 151170 ; FR
2226935 ; FR 2402419
; GB 1043585 ; US 2176027 ; US 2515157

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
EP 41894A	N/A	1981EP-0400895
June 5, 1981		

INT-CL (IPC): A23K001/18; A23K003/00 ; A23L001/10 ;
A23L003/34

ABSTRACTED-PUB-NO: EP 41894A

BASIC-ABSTRACT: Feed of intermediate moisture content, contains as humectant and preservation agent an effective proportion of maize solubles. The maize solubles pref. comprise 0.1-70 wt.%, esp. 1-65 wt.% w.r.t. the weight of the complete feed.

The feeds for dogs and cats contain 0.1-40 wt.%, pref. 3-25 wt.%, of maize solubles and those for pigs and ruminants are based on cellulosic products, esp. maize brewer's grains or potato pulp and contain 25-65 wt.% of maize solubles. The nutritional values, organoleptic and physiochemical properties of the feed may be formulated to suit each type of animal. The maize solubles added are usually in form of corn steep liquors contg. 45-55, esp. 50, wt.% of dry material or 70-75 wt.% of dry materials or as dehydrated steep liquor powders. These corn steep liquors may be prepared by counter-current soaking of maize grains in hot sulphited water for about 35-50 hrs and comprise the soluble materials from the maize and their fermentation prods. in the form of clear yellow solns. or yellow powders. They comprise about 45-50 wt.% of proteins and free aminoacids, 22% lactic acid, 20% minerals (Ca and Mg inositol phosphates and is rich in vitamins and oligo elements).

Feed suitable for dogs, cats, pigs and ruminants of intermediate humidity (15-50 wt.%, pref. 18-40 wt.%) which has pliable structure may be preserved without thermal treatment or refrigeration and is economic to produce.

ABSTRACTED-PUB-NO: EP 41894B

EQUIVALENT-ABSTRACTS: Feed of intermediate moisture content, contains as humectant and preservation agent an effective proportion of maize solubles.

The maize solubles pref. comprise 0.1-70 wt.%, esp. 1-65 wt.% w.r.t. the weight of the complete feed.

The feeds for dogs and cats contain 0.1-40 wt.%, pref. 3-25 wt.%, of maize solubles and those for pigs and ruminants are based on cellulosic products, esp. maize brewer's grains or potato pulp and contain 25-65 wt.% of maize solubles. The nutritional values, organoleptic and physiochemical properties of the feed may be formulated to suit each type of animal. The maize solubles added are usually in form of corn steep liquors contg. 45-55, esp. 50, wt.% of dry material or 70-75 wt.% of dry materials or as dehydrated steep liquor powders. These corn steep liquors may be prepared by counter-current soaking of maize grains in hot sulphited water for about 35-50 hrs and comprise the soluble materials from the maize and their fermentation prods. in the form of clear yellow solns. or yellow powders. They comprise about 45-50 wt.% of proteins and free aminoacids, 22% lactic acid, 20% minerals (Ca and Mg inositol phosphates and is rich in vitamins and oligo elements).

Feed suitable for dogs, cats, pigs and ruminants of intermediate humidity (15-50 wt.%, pref. 18-40 wt.%) which has pliable structure may be preserved without thermal treatment or refrigeration and is economic to produce. (21pp)

TITLE-TERMS:

SEMI MOIST FEED CONTAIN MAIZE SOLUBLE PRESERVE AGENT SUIT
DOG CAT PIG RUMINANT
STABILISED

DERWENT-CLASS: C03 D13

CPI-CODES: C04-A07D; C04-C02; C12-L09; C12-M06; D03-G01;
D03-H02;

CHEMICAL-CODES:

Chemical Indexing M1 *01*
Fragmentation Code
M423 M431 M782 M903 Q212 V400 V406

Chemical Indexing M1 *02*
Fragmentation Code
M423 M431 M782 M903 Q212 V400 V404 V406

DERWENT-ACC-NO: 1993-176847
DERWENT-WEEK: 199322
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TITLE: Conc. animal feed additive for increasing, e.g.,
milk and meat quality
- comprises enzyme which degrades plant tissue and
essential aminoacid

INVENTOR: KONNO, S; MATSUURA, I ; SHIRAHATA, K

PATENT-ASSIGNEE: KYOWA HAKKO KOGYO CO LTD[KYOW], KYOWA
HAKKO KOGYO KK[KYOW]

PRIORITY-DATA: 1991JP-0306256 (November 21, 1991)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
DE 4239139 A1	May 27, 1993	N/A
008	A23K 001/165	
GB 2261877 A	June 2, 1993	N/A
022	A61K 031/195	
JP 05192093 A	August 3, 1993	N/A
009	A23K 001/165	

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
DE 4239139A1	N/A	1992DE-4239139
November 20, 1992		
GB 2261877A	N/A	1992GB-0024171
November 18, 1992		
JP 05192093A	N/A	1992JP-0305521
November 16, 1992		

INT-CL (IPC): A23K001/16; A23K001/165 ; A23K001/18 ;
A61K031/195 ;
A61K037/48 ; A61K037/54

ABSTRACTED-PUB-NO: DE 4239139A

BASIC-ABSTRACT: Animal feed additive comprises one enzyme
(which is active in
degrading plant tissue) and at least one essential
aminoacid.

Enzyme is pref. cellulase, xylanase, mannanase, laminarinase, pectinase, amylase, ligninase, protease, dextranase, or a mixt. of these. Aminoacid is pref. lysine, methionine, theonine or tryptophan. Amt. of administered aminoacid is 0.01-0.5 g/kg day, and the amt. of enzyme is 0.8-80 U/kg/day (where U is a unit of fibre-degrading activity).

USE/ADVANTAGE - For improving milk yields, milk quality, meat quality, reproduction efficiency and growth in animals, esp. in ruminants. Additive is cheap and of good quality

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

CONCENTRATE ANIMAL FEED ADDITIVE INCREASE MILK MEAT QUALITY
COMPRISE ENZYME
DEGRADE PLANT TISSUE ESSENTIAL AMINOACID

DERWENT-CLASS: B04 C03 D13 D16

CPI-CODES: B04-B02C3; C04-B02C3; B06-D01; C06-D01;
B10-B01B; C10-B01B;
B10-B02D; C10-B02D; B10-B02H; C10-B02H; B12-L09; C12-L09;
D03-G02;

CHEMICAL-CODES:

Chemical Indexing M1 *01*

Fragmentation Code

M423 M431 M782 M903 P714 Q212 V802 V814 V815

Chemical Indexing M2 *02*

Fragmentation Code

H1 H101 H182 J0 J011 J1 J171 M280 M315 M321
M332 M343 M349 M381 M391 M416 M431 M620 M782 M903
M904 M910 P714 Q212

Specific Compounds

03253M

Chemical Indexing M2 *03*

Fragmentation Code

H1 H100 H181 H5 H598 H9 J0 J011 J1 J171
M210 M211 M271 M281 M313 M321 M332 M343 M349 M381

M391 M416 M431 M620 M782 M903 M904 M910 P714 Q212
Specfic Compounds
00187M

Chemical Indexing M2 *04*

Fragmentation Code

H1 H100 H181 H4 H401 H481 H8 J0 J011 J1
J171 M280 M313 M321 M331 M343 M349 M381 M391 M416
M431 M620 M782 M903 M904 M910 P714 Q212
Specfic Compounds
03940M

Chemical Indexing M2 *05*

Fragmentation Code

D011 D601 H1 H100 H181 J0 J011 J1 J171 M280
M312 M321 M332 M343 M349 M371 M391 M412 M431 M511
M520 M530 M540 M782 M903 M904 M910 P714 Q212
Specfic Compounds
00080M

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0080U; 0187U ; 0480U ;
1655U

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1993-078903

CLIPPEDIMAGE= JP405192093A

PAT-NO: JP405192093A

DOCUMENT-IDENTIFIER: JP 05192093 A

TITLE: FEED ADDITIVE FOR ANIMAL USE

PUBN-DATE: August 3, 1993

INVENTOR-INFORMATION:

NAME

KONNO, TOSHIYASU

MATSUURA, ICHIRO

SHIRAHATA, KIMIKATSU

ASSIGNEE-INFORMATION:

NAME

KYOWA HAKKO KOGYO CO LTD

COUNTRY

N/A

APPL-NO: JP04305521

APPL-DATE: November 16, 1992

INT-CL (IPC): A23K001/165;A23K001/16 ;A23K001/18

US-CL-CURRENT: 426/53

ABSTRACT:

PURPOSE: To obtain the subject low-cost and high-quality feed additive for animals use, excellent in effects on improvement of milk yield of a ruminant, improvement of milk quality, growth promotion, improvement of meat quality and improvement of reproductive rate, etc., by blending an enzyme exhibiting a vegetable tissue disorganization activity with essential amino acids.

CONSTITUTION: The objective feed additive for animal use contains an enzyme exhibiting a vegetable tissue disorganization activity and one or more kinds of essential amino acids. As the above-mentioned enzyme, e.g.

cellulase,
xylanase, mannanase, laminarinase and pectinase are
exemplified. As the
essential amino acids, lysine, methionine, threonine and
tryptophan, etc., are
exemplified.

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